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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/757,881	01/15/2004	Fyodor I. Maydanich	390086.95169 (Div)	5190

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EXAMINER	
NINO, ADOLFO	

ART UNIT	PAPER NUMBER
2831	

DATE MAILED: 07/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/757,881	MAYDANICH ET AL.	
	Examiner	Art Unit	
	Adolfo Nino	2831	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *15 January 2004*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-11* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-11* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *15 January 2004* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date *1/15/04*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> **A person shall be entitled to a patent unless –**
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-11 are rejected under 35 U.S.C. 102(b) as being anticipated by Steele (US 4,973,794).

Regarding claim 1, Steele discloses an electrical cable (11) comprising: a series of mutually insulated and parallel electrical conductors (16) joined edgewise to form a flexible ribbon (11; fig. 2); a first conforming flexible electrical shield (inner copper layer of shield 13 as seen in fig. 3) covering the ribbon (figs. 2, 3); a flexible insulating layer (outer insulating layer adjacent to inner copper layer of shield 13) next to covering the first conforming flexible electrical shield (fig. 3); and a second conforming flexible electrical shield (outer copper layer adjacent to second insulating layer of shield 13) covering the insulating layer (fig. 3).

Regarding claim 2, Steele discloses the electrical cable (11) of claim 1 including further an outer insulating jacket (inner insulating layer of shield 19) covering the second conforming electrical shield (fig. 3).

Regarding claim 3, Steele discloses the electrical cable (11) of claim 1 wherein the first and second conforming flexible electrical shields are metal foil (col. 4, lines 41-68).

Regarding claim 4, Steele discloses the electrical cable (11) of claim 3 wherein the first and second conforming flexible electrical shields are pleated (figs. 2, 3).

Regarding claim 5, Steele discloses the electrical cable (11) of claim 1 further including at least one connector (12, 14) providing, within a connector shell, a plurality of releasable connector elements for electrically and mechanically engaging with corresponding elements in a second connector (12, 14), the connector elements connected to the electrical conductors of the cable (fig. 1).

Regarding claim 6, Steele discloses the electrical cable (11) of claim 5 wherein the connector shell is electrically connected to the second conforming flexible electrical shield and the first conforming conductive electrical shield is connected to one of the connector elements (fig. 1).

Regarding claim 7, Steele discloses a cable assembly (figs. 1-3) providing electrical communication of a series of signals from a first electrical device to a second electrical device comprising: a series of first terminals (col. 3, lines 54-58) associated with the first electrical device including multiple signal terminals and at least one signal return terminal and at least one earth ground separate from the signal return terminal (col. 3, lines 54-58); a series of second terminals (col. 3, lines 54-58) associated with the second electrical device including multiple signal terminals and at least one signal return terminal; a series of mutually insulated and parallel electrical conductors joined edgewise to form a flexible ribbon (col. 3, lines 59-60), wherein the conductors are attached to the terminals so that electrical conductors carrying signal returns alternate with conductors carrying signals; a first conforming flexible electrical shield (conductive

layer between the two insulating layers of shield 13 as seen in fig. 3) covering the ribbon and attached to a signal return terminal; an insulating layer (insulating layer between the two conductive layers of shield 13 as seen in fig. 3) covering the outside of the first conforming flexible electrical shield (fig. 3); and a second conforming flexible electrical shield (conductive layer between second insulating layer of shield 13 and adhesive layer 26) covering the insulating layer and attached to the earth ground (col. 3, lines 62-65).

Regarding claim 8, Steele discloses the cable assembly (figs. 1-3) of claim 7 wherein the cable further includes an outer insulating jacket (insulating layer between adhesive layer 26 and first conductive layer of shield 19) covering the second conforming electrical shield (fig. 3).

Regarding claim 9, Steele discloses the cable assembly (figs. 1-3) of claim 7 wherein the first and second conforming flexible electrical shields are metal foil (col. 4, lines 41-42 and 66-67).

Regarding claim 10, Steele discloses the cable assembly (figs. 1-3) of claim 9 wherein the first and second conforming flexible electrical shields are pleated (figs. 1-3).

Regarding claim 11, Steele discloses the cable assembly (figs. 1-3) of claim 7 wherein the terminals (12, 14) are a plurality of releasable connector elements within a connector shell for electrically and mechanically engaging with corresponding elements in a second connector (col. 3, lines 55-58), the connector elements connected to ones of the electrical conductors of the cable and the connector shell electrically connected to

the second conforming flexible electrical shield and the first conforming conductive electrical shield connected to one of the connector elements (fig. 1).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Crane et al. (US 5,428,187) disclose a shielded hybrid ribbon cable assembly. Dickerson et al. (US 5,387,113) disclose a composite shield jacket. Springer et al. (US 5,360,944) disclose a strippable electrical cable. Steele (US 4,835,394) discloses a cable assembly. LaRock (US 4,818,820) discloses a transmission system. Plummer (US 4,409,427) discloses a radio frequency shielding jacket. King et al. (US 4,404,424) disclose a shielded twisted-pair flat electrical cable. Bogese et al. (US 4,383,725) disclose a cable assembly. Kincaid (US 4,327,246) discloses shielded cables. Marshall (US 3,757,029) discloses a shielded flat cable.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Adolfo Nino whose telephone number is (571) 272-1981. The examiner can normally be reached on M-F (7:30-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean A Reichard can be reached on (571) 272-2800 ext. 31. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AN

Dean A. Reichard 7/12/04

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